

## F U L C R U M

publish & from Webster's third:

1) to declare publicly: make generally known

2) to call to the attention of the public

3) to place before the public (as through a mass medium):  
Disseminate

to reproduce for public consumption

Publisher: 1) one that makes public

2) the reproducer of a work intended for public consumption

Publishing: the business or profession of the commercial production and issuance of literature esp. in book form for public distribution or sale.

Webster 1<sup>st</sup>

Publisher ~~One~~ One who issues, or causes to be issued, from the press and offers for sale or circulation matter printed, engraved, or the like.

American Heritage:

[ Publish: To prepare and issue (printed material) for public distribution or sale.

## F U L C R U M

WAIS Strategy

Infrastructure

~~the~~ tools for everyone



Publishers

partner with best to breed



Publishing

emerge as leading  
publisher in the  
networked world

"to prepare + issue for public distribution outside"  
American Heritage

WAIS MISSION

<sup>By</sup> ~~Through~~ providing the best tools and services to those that publish on networks, WAIS becomes the leading publisher in the networked world.

~~partner of the~~ <sup>Dom Built</sup> Leading publishing system on the ~~Internet~~ <sup>the net</sup> ~~networks~~  
— Personalized, interactive  
Born on the net

## F U L C R U M

WAIS <sup>Inc has created</sup> the publishing system for ~~networks~~ <sup>networks</sup> by providing:

- ~~• integrated~~ • integrated access to multiple sources
- personalized delivery
- interactive responsiveness

~~WAIS Inc provides tools & services to those~~

WAIS Inc is the leading supplier of tools to those

Publishing ~~with~~ <sup>tools</sup> WAIS means access to many user communities,  
~~sophisticated navigation~~

~~WAIS~~  
Scalable, reliable, flexible

WAIS is defining network publishing by creating tool and services

~~WAIS~~ The publisher <sup>goes digital</sup>  
~~when publishing is distributed~~, WAIS integrates the result

WAIS is creating the publishing system for networks.

We sell tools and services to those with the

# F U L C R U M

Weave,  
converge

WATS Inc ~~manages~~ builds critical mass of information  
take information to provide a personalized  
publishing system

high quality publishing tools

Information services

~~lead~~ ~~the~~

personalized

publish

Network

open publishing system

~~the~~

WATS is the publishing system  
for networks by  
providing integrated access to  
multiple sources and  
personalized delivery  
interactive responsiveness

WATS is an integrated ~~publishing~~ system for those that  
~~leading publisher~~ ~~publish~~ on networks

~~leading vendor of information~~  
~~published information~~

WATS Inc ~~contributes~~  
is the leading vendor of tools and  
digital, personal, interactive

# WAIS Technology Architecture

Brewster Kahle

7/12/94

DRAFT

Company Confidential

to 1st customer ship

This document is the start of the next generation WAIS technology architecture that will be used for our in-house production services and our technology products. As a complete publishing system WAIS Inc will be able to deliver parts or all to customers. Parts of this will be licensed from other vendors.

## Contents:

WAIS Technology Architecture diagram

Component Functional Overview

Architectural Considerations

In-house development plan <to come>

Partnering needs <to come>

- Tool dev
- develop projects
  - how senior
  - how long calendar
  - how long man months
  - dependencies
  - outsource opportunities
  - current status

- product release
  - upgrades
  - new products

- Production services releases

not for doc [

- support needs
- training
- documentation
- testing

## Group access issues

Access Policy DB: Stores DB access policies

Presentation Authoring: Defining HTML templates  
Can it be used for creating parsing templates?

Template DB: Storage

Control Panel: Monitors server use  
Deletion, restoring, modify?  
Shutdown

Metadata: Category codes  
Links to related documents  
Author  
Date  
source  
Headlines  
Formats, original URL's  
Cost  
Past usage statistics  
Permission

## Component Functional Overview

- Feed Handlers: Automated query generators  
Ad hoc libraries  
Control panel?  
query editor?  
x.25, SQL, IP email (Rainman), news feeds, NFS
- Unformatting: (currently the custom parser? toolkit)  
Finds fields, metadata, etc.  
Formats this data for the DBMS  
Can this be controlled easily? parse by example?
- Doc Enhancement:  
Triggered by DB additions, periodic queries, or human interaction  
Adding metadata, related documents, hypertext links, keywords
- WAIS DBMS: Text, multimedia, metadata  
Stores structured documents  
Points to original formatted documents  
Indexes documents  
Add, delete, modify, (commit)(commit to staging area)?
- Formatting: HTML creation for documents, search results, browse results  
Uses templates to decide how to do it; which templates comes from DB & doc records?  
Talks structured protocols (I think)
- Front desk: User handling, welcome-screens, help-screens  
Authentication of users & superusers  
New user screens, user account screens  
Profile storage, agent handling  
HTTP, Z3950-U2, email, fax
- User Acct. DB: Current status, logged changes in status  
Profiles & profile execution logs  
Preferences & personalization features  
Group membership list (enough for access restrictions?)  
Group preferences & personalization
- DB access policy editor: How do we express db policies?  
What's a db?

## **In-house Development Plan**

### **Partnering needs**